

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506627

Luminaire Tested: **24PD-40-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-40-PL1-L950
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

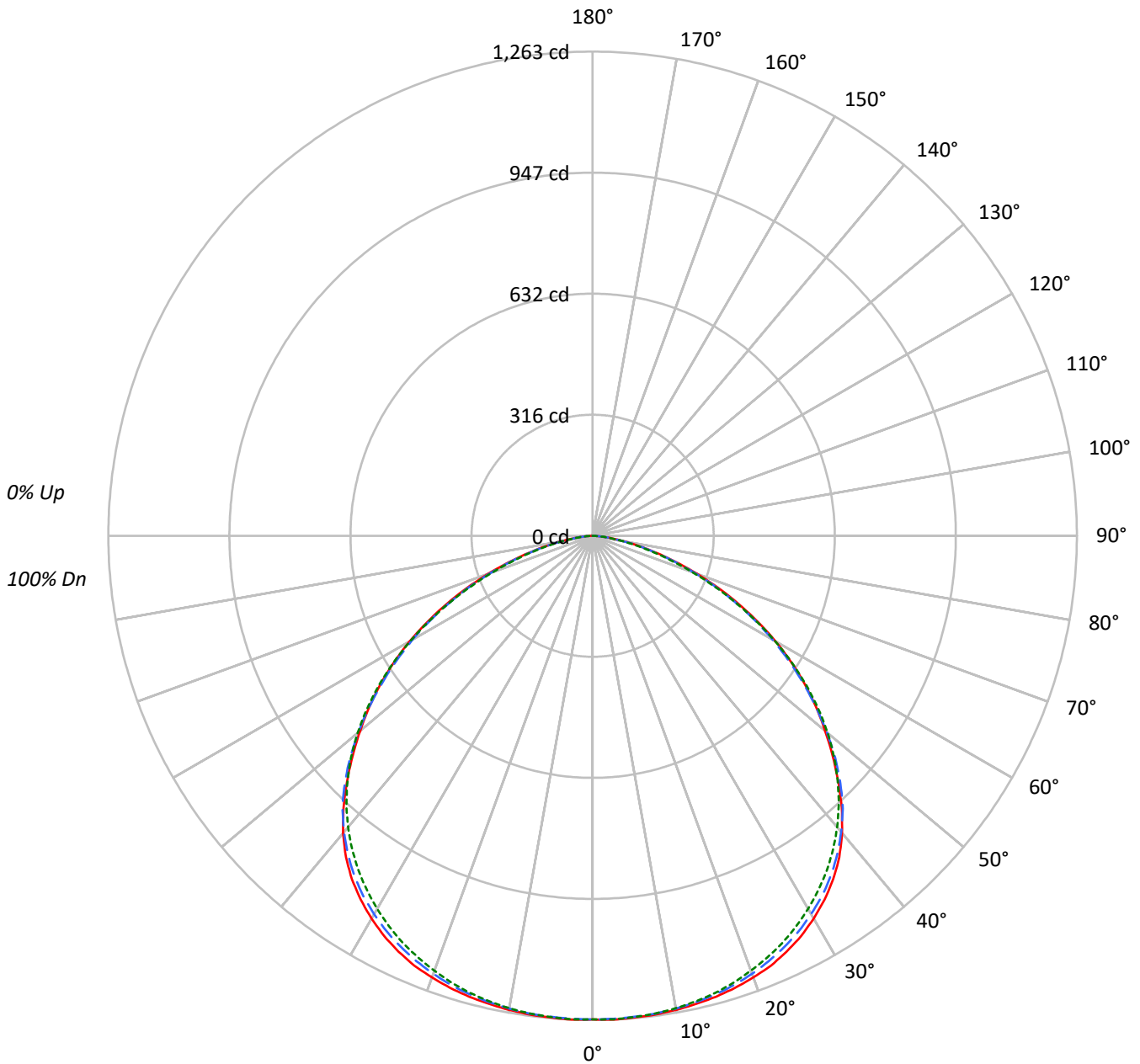
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3619.2 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1697	1697	1697
5°	1704	1701	1702
10°	1716	1711	1710
15°	1734	1725	1720
20°	1756	1741	1729
25°	1777	1757	1739
30°	1791	1771	1746
35°	1797	1779	1749
40°	1778	1771	1743
45°	1724	1739	1720
50°	1657	1669	1675
55°	1585	1573	1597
60°	1483	1459	1477
65°	1334	1308	1307
70°	1136	1110	1085
75°	894	874	839
80°	640	621	587
85°	378	374	347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.3
10°-20°	350.2	9.7
20°-30°	545.9	15.1
30°-40°	675.5	18.7
40°-50°	700.3	19.3
50°-60°	602.9	16.7
60°-70°	409.1	11.3
70°-80°	182.5	5.0
80°-90°	32.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1016.1	28.1
0°-40°	1691.6	46.7
0°-60°	2994.8	82.7
0°-90°	3619.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3619.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1262	1260	1260	1260	1260	120
15°	1245	1241	1238	1236	1235	352
25°	1197	1192	1184	1175	1172	552
35°	1094	1091	1083	1071	1065	683
45°	906	910	914	911	904	698
55°	676	676	670	678	681	603
65°	419	421	411	406	410	415
75°	172	173	168	164	161	187
85°	24	25	24	24	22	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.6	1261.6	1261.6	1261.6	1261.6
2.5°	1263.4	1260.6	1261.0	1261.3	1262.7
5°	1261.6	1259.9	1259.6	1259.6	1259.9
7.5°	1259.6	1257.5	1257.2	1256.8	1256.8
10°	1255.8	1253.7	1252.3	1251.6	1251.3
12.5°	1250.6	1248.2	1246.4	1245.1	1244.0
15°	1244.7	1241.3	1238.5	1235.7	1234.7
17.5°	1236.4	1233.3	1228.5	1224.0	1222.3
20°	1226.1	1222.9	1216.0	1209.8	1207.4
22.5°	1214.0	1209.5	1200.8	1193.9	1190.5
25°	1197.0	1192.5	1183.6	1174.9	1171.5
27.5°	1177.3	1173.2	1163.5	1153.2	1149.0
30°	1152.8	1150.1	1139.7	1128.3	1123.8
32.5°	1125.5	1122.8	1113.8	1101.0	1095.8
35°	1094.1	1091.0	1083.0	1071.3	1065.1
37.5°	1056.8	1055.7	1048.1	1036.1	1030.2
40°	1012.2	1014.3	1008.4	998.1	992.2
42.5°	961.4	965.9	965.9	956.2	950.4
45°	905.8	910.0	914.1	910.6	904.1
47.5°	848.8	853.3	858.1	859.5	854.0
50°	791.5	794.2	797.3	803.6	800.1
52.5°	734.5	735.5	734.5	742.8	742.1
55°	675.7	676.1	670.5	678.1	680.6
57.5°	614.6	615.6	606.6	610.8	616.0
60°	551.0	552.1	542.0	542.7	548.9
62.5°	485.4	486.8	476.7	474.3	479.9
65°	419.1	420.8	410.8	406.3	410.4
67.5°	353.1	355.1	345.8	340.3	341.3
70°	288.8	290.5	282.2	277.1	275.7
72.5°	227.7	229.4	222.8	217.6	215.2
75°	172.0	173.4	168.2	164.4	161.3
77.5°	123.7	124.7	120.6	117.8	114.7
80°	82.6	82.9	80.1	78.4	75.7
82.5°	49.4	49.7	48.0	47.3	45.3
85°	24.5	24.9	24.2	24.2	22.5
87.5°	8.6	8.3	8.6	8.6	7.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)